

## AMENDMENTS

### In the Claims:

1. (Previously Presented) An apparatus for examination of images, comprising:  
an image storage device configured to store image data for one or more images to be evaluated,  
a display device configured to display the image data,  
an input device for a subject configured to interrogate visualization data,  
a control device which connects the image storage, display and input devices, and which controls a display of the images based on a sequence and timing provided in a control file,  
a data matching device for matching image data and visualization data, and  
an evaluation device,

wherein the input device comprises a pointing appliance configured be moved manually by a subject for pointing, and the input device is configured to interact with a marking such that the position of the pointing appliance is displayed by the marking on the display device,

wherein the control device further comprises an event detector configured to record position data transmitted from the input device when a specific event occurs and to create an event-based file formed by data records comprising data relating to time, position and image shown, the event detector further configured to create a data record including a reference time when an image change occurs, and

wherein the data matching device comprises a synchronization module which synchronizes the control file and the event-based file, upon which the evaluation device calculates a time-dependent visualization profile.

2. (Previously Presented) The apparatus as claimed in claim 1, wherein the pointing appliance is a computer mouse.

3. (Previously Presented) The apparatus as claimed in claim 1, wherein the pointing appliance is a light pointer or a light pen.

4. (Previously Presented) The apparatus as claimed in claim 1, 2 or 3, wherein two or more input devices with pointing appliances are provided.

5. (Previously Presented) The apparatus as claimed in claim 1, 2 or 3, further comprising an evaluation module that is physically separate from the input device the pointing appliances connected thereto via a data network.

6. (Canceled)

7. (Previously Presented) The apparatus as claimed in claim 1, 2 or 3, wherein the specific event is the operation of a button on the pointing appliance.

8. (Previously Presented) The apparatus as claimed in claim 1, 2 or 3, wherein the specific event is the pointing appliance being at rest.

9. (Previously Presented) The apparatus as claimed in claim 1, 2 or 3, further comprising a conversion module for transformation of position data from an appliance-specific coordinate system to an appliance-independent coordinate system.

10. (Previously Presented) A method for examination of images, comprising:  
storing image data for images to be examined in a memory device,  
displaying the images based on a sequence and timing provided in a control file,  
determining a position from data supplied from an input device by interrogating position data from a pointing appliance which is moved manually by a subject,  
displaying interactively a marking for the position of the pointing appliance,  
creating an event-based file formed by data records comprising data relating to time, position and image shown,  
storing a data record in the event-based file when a specific event occurs,  
storing another data record that includes a reference time when an image change occurs,  
and  
evaluating by synchronizing the control file and the event-based file, upon which a time-dependent visualization profile is calculated.

11. (Canceled).

12. (Previously Presented) The method as claimed in claim 10, wherein the event detector evaluates button operation on the pointing appliance.

13. (Previously Presented) The method as claimed in claim 10, wherein the event detector monitors the movements of the pointing appliance and is triggered when the pointing appliance comes to rest.

14. (Previously Presented) The method as claimed in claim 10, wherein a computer mouse is used as the pointing appliance.

15. (Previously Presented) The method as claimed in claim 10, wherein a light pointer or a light pen is used as the pointing appliance.

16. (Previously Presented) The method as claimed in claim 10, wherein the input device the pointing appliance transmit the position data via a data network to an evaluation module.

17. (Canceled)

18. (Previously Presented) The apparatus as claimed in claim 5, wherein the data network is a LAN or a WAN.

19. (Canceled)

20. (Previously Presented) The apparatus as claimed in claim 5, further comprising a conversion module for transformation of position data from an appliance-specific coordinate system to an appliance-independent coordinate system.

21-26. (Canceled)